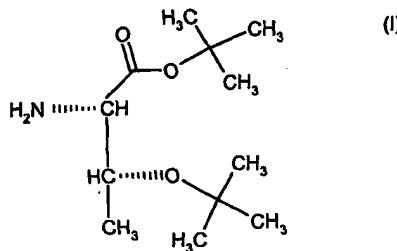


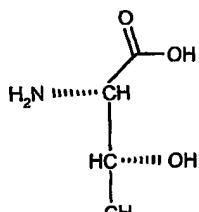
We claim:

1. A process for the preparation of L-Threonine-O-(1,1-dimethylethyl)-1,1-dimethylethyl ester of formula (I)



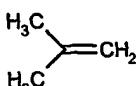
comprising:

- A) contacting a compound having the formula



L-Threonine

- B) with



Isobutylene

- C) in presence of mineral acid in an ether solvent for sufficient time; and

- D) purifying the L-Threonine-O-(1,1-dimethylethyl)-1,1-dimethylethyl ester.

2. A process according to claim 1, wherein molar ratio of L-Threonine and Isobutylene is between about 1:30 to 1: 50 more preferably between about 1:35 to 1: 45.

3. The process of claim 1, wherein the solvent is an ether solvent.

4. The process of claim 3, wherein the solvent is dimethoxyethane.

5. A process according to claim 1, wherein acid is mineral acid.

6. The process of claim 5, wherein mineral acid is sulfuric acid.

7. The process of claim 6, wherein sulfuric acid is concentrated.
8. The process of claim 7, wherein concentrated sulfuric acid is added between about -10 to 15 °C.
9. A process according to claim 1, wherein reaction mixture is stirred more than 10 hours.
10. The process of claim 9, wherein the temperature of the reaction mixture is between about -10 to 20 °C.
11. A process according to claim 10, wherein the reaction mixture after the formation of product of formula (I) is poured into a mixture of water and ammonia.
12. The process of claim 11, wherein water and ammonia mixture comprises between about 1:1 to 10:1.
13. The process of claim 12, wherein water and ammonia mixture is cold.
14. The process of claim 13, wherein temperature of the water and ammonia mixture is between about 0 to 15 °C.
15. A process according to claim 11, wherein an organic solvent is added to the crude product already poured into water and ammonia mixture.
16. The process of claim 15, wherein added organic solvent is an ether.
17. The process of claim 16, wherein ether is Dimethoxyethane.
18. The process of claim 17, wherein after extraction Dimethoxyethane layer is concentrated to get crude compound of Formula (I) in more than 90 % pure form.
19. The process of claim 18, wherein crude product is purified by vacuum distillation.
20. The process of claim 19, wherein pressure is reduced to 1 mm of Hg during distillation.
21. The process of claim 20, wherein pure fraction is collected between about 65 to 105 °C.
22. The process of claim 21, wherein pure fraction is collected more preferably between about 75 to 95 °C.
23. A process according to claim 1, wherein purity of formula (I) compound is about 99 %.